

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101416\
 Data File : BF090599.D
 Acq On : 15 Oct 2016 10:44
 Operator : UM/SJ
 Sample : H5228-02 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6

Quant Time: Oct 17 00:49:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 14 12:44:45 2016
 Response via : Initial Calibration

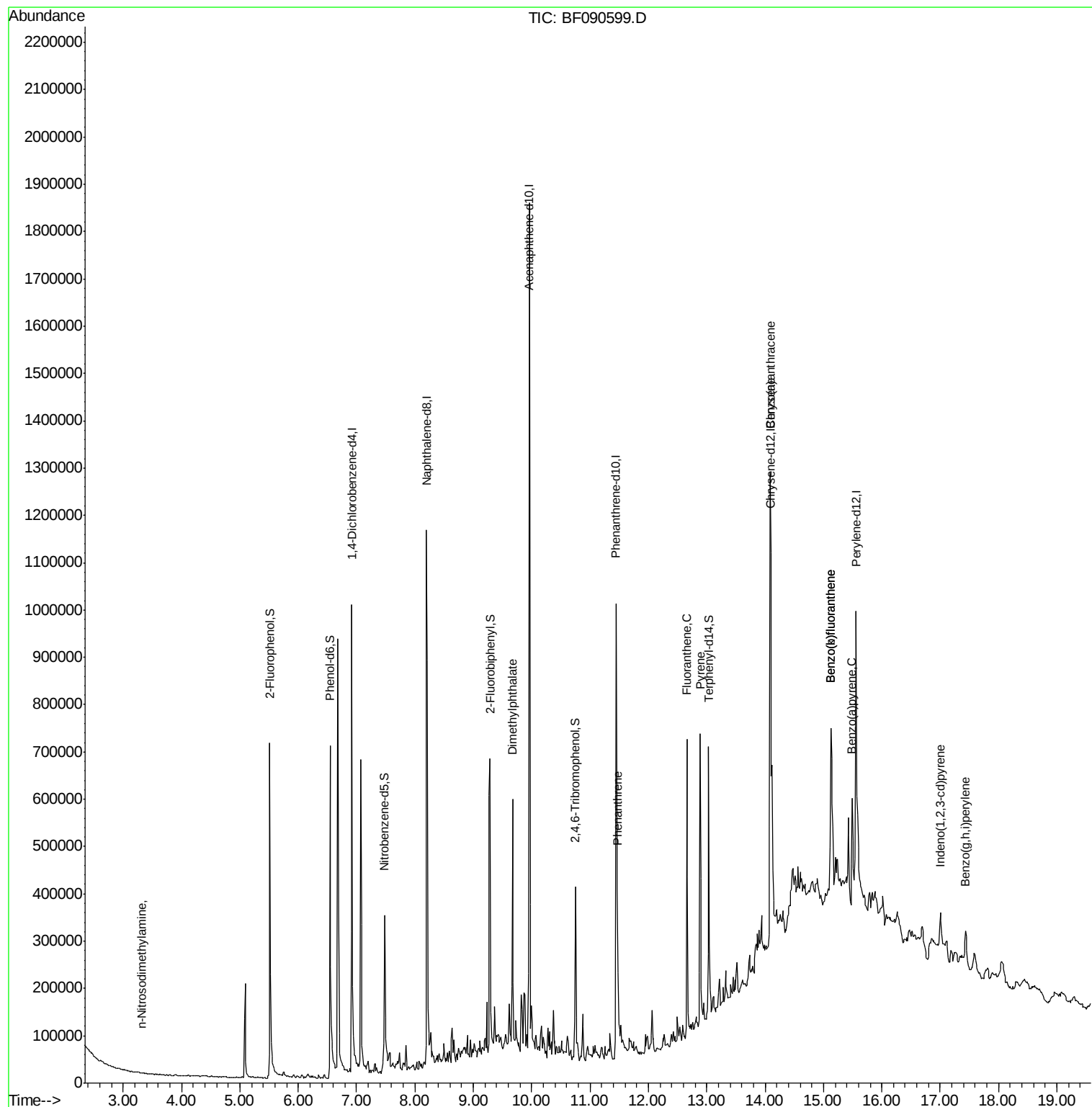
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	183086	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	740272	20.00	ng	-0.01
38) Acenaphthene-d10	9.96	164	347721	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	431975	20.00	ng	-0.01
75) Chrysene-d12	14.10	240	406955	20.00	ng	0.00
86) Perylene-d12	15.56	264	335832	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	236127	23.64	ng	-0.01
7) Phenol-d6	6.54	99	334519	22.54	ng	-0.01
23) Nitrobenzene-d5	7.48	82	199260	14.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	39354	12.69	ng	-0.01
44) 2-Fluorobiphenyl	9.29	172	300643	14.25	ng	0.00
78) Terphenyl-d14	13.03	244	204299	11.69	ng	-0.01
Target Compounds						
4) n-Nitrosodimethylamine	3.32	42	739	7.31	ng	# 1
49) Dimethylphthalate	9.67	163	106892	4.74	ng	# 98
70) Phenanthrene	11.47	178	118329	5.13	ng	98
74) Fluoranthene	12.66	202	301889	13.02	ng	90
77) Pyrene	12.89	202	287408	10.66	ng	98
80) Benzo(a)anthracene	14.09	228	202506	8.74	ng	93
82) Chrysene	14.09	228	202506	9.07	ng	96
85) Indeno(1,2,3-cd)pyrene	17.00	276	66523	5.15	ng	97
87) Benzo(b)fluoranthene	15.13	252	275549	12.54	ng	# 95
88) Benzo(k)fluoranthene	15.13	252	275549	11.65	ng	# 93
89) Benzo(a)pyrene	15.49	252	126293	6.28	ng	# 94
91) Benzo(g,h,i)perylene	17.44	276	68961	4.71	ng	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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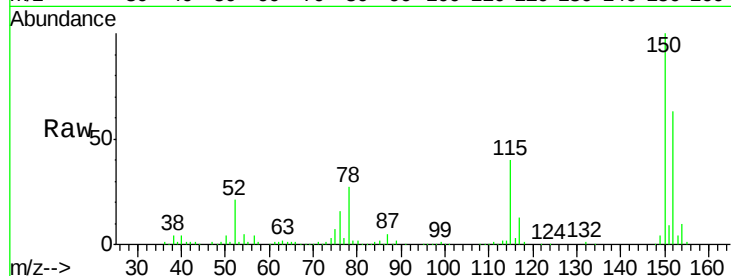




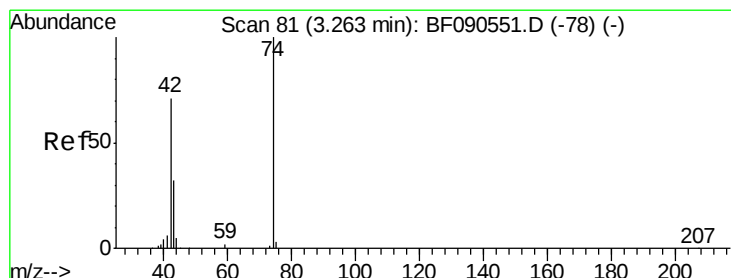
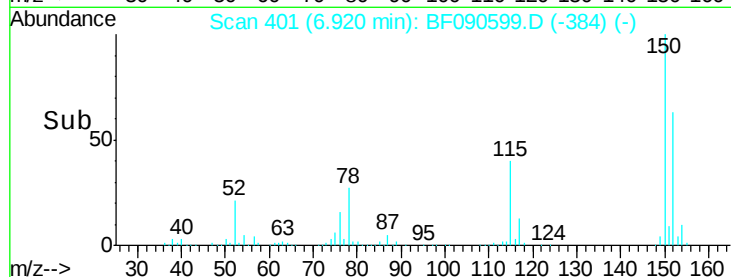
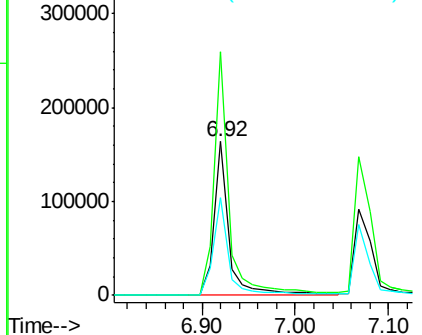
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.92 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: BF090599.D
 Acq: 15 Oct 2016 10:44

Instrument :
 BNA_F
 ClientSampleId :
 6

Tgt Ion:152 Resp: 183086
 Ion Ratio Lower Upper
 152 100
 150 158.1 127.2 190.8
 115 63.3 58.6 88.0

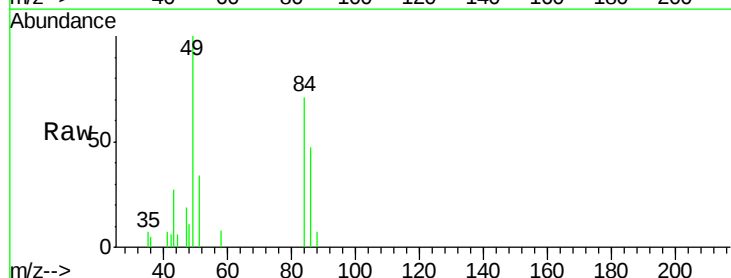


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

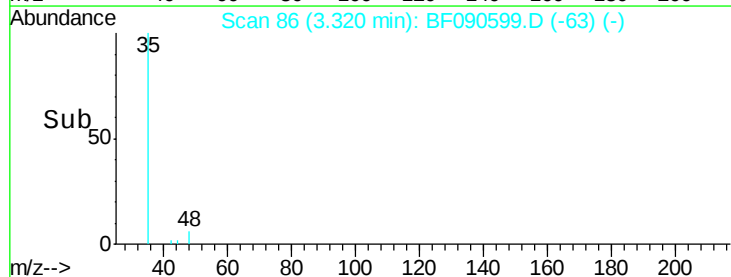
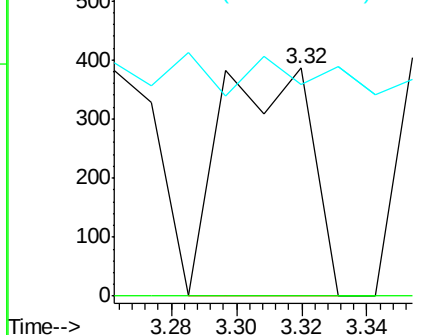


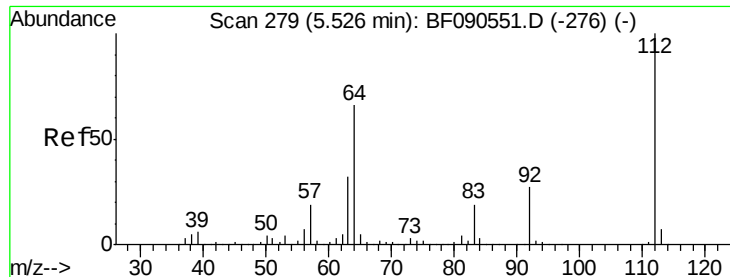
#4
 n-Nitrosodimethylamine
 Concen: 7.31 ng
 RT: 3.32 min Scan# 86
 Delta R.T. 0.06 min
 Lab File: BF090599.D
 Acq: 15 Oct 2016 10:44

Tgt Ion: 42 Resp: 739
 Ion Ratio Lower Upper
 42 100
 74 0.0 113.3 169.9#
 44 92.7 6.0 9.0#



Abundance Ion 42.00 (41.70 to 42.70): BF0
 Ion 74.00 (73.70 to 74.70): BF0
 Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 23.64 ng

RT: 5.51 min Scan# 278

Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

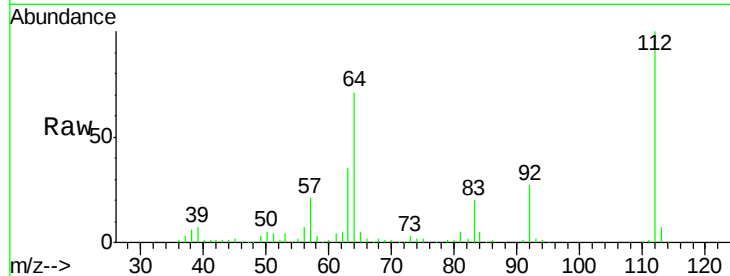
Instrument :

BNA_F

ClientSampleId :

6

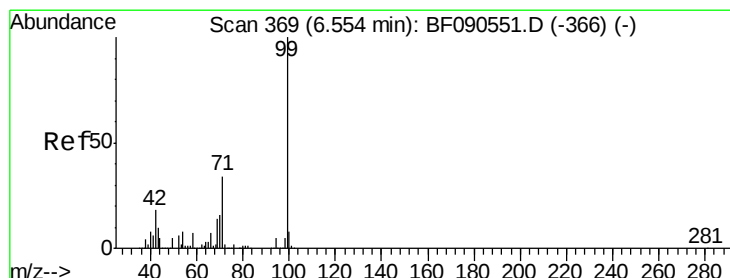
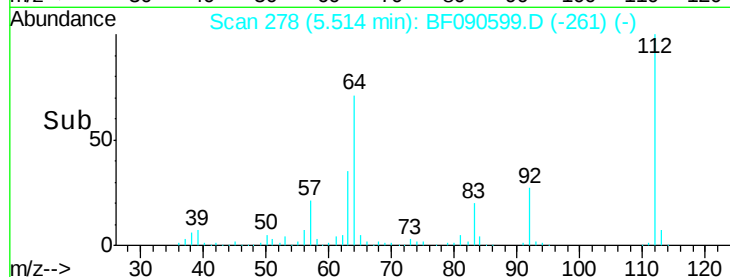
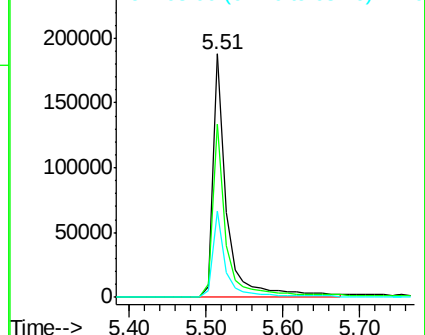
Tgt Ion:	112	Resp:	236127
Ion Ratio	Lower	Upper	
112	100		
64	71.3	52.6	78.8
63	35.2	26.0	39.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 22.54 ng

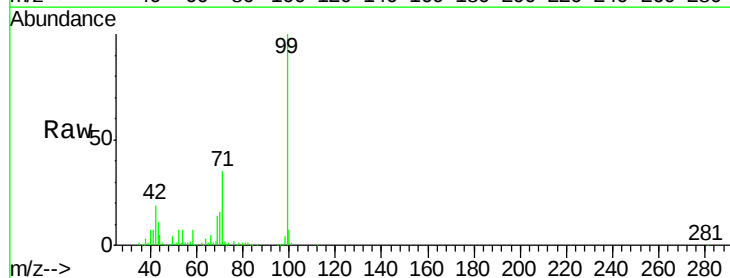
RT: 6.54 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

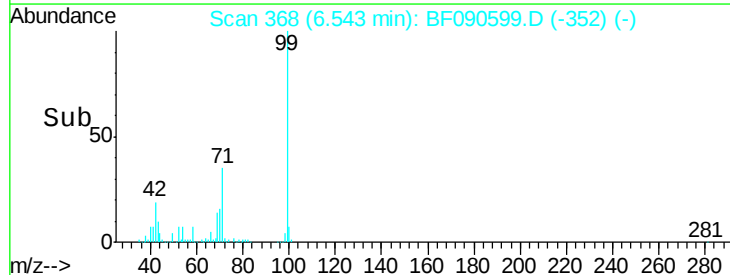
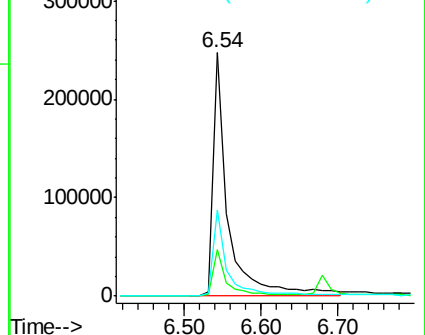
Tgt Ion:	99	Resp:	334519
Ion Ratio	Lower	Upper	
99	100		
42	19.3	14.7	22.1
71	35.4	27.6	41.4

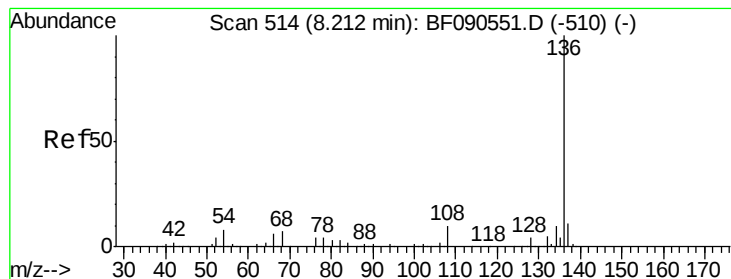


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

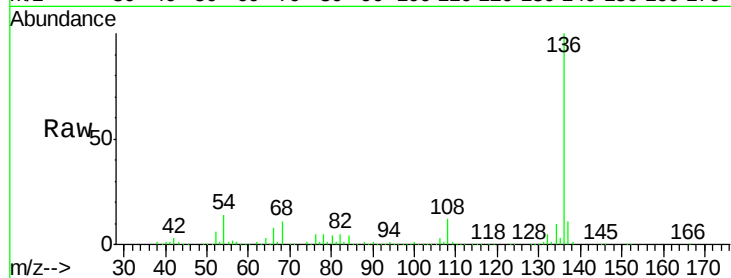
Instrument :

BNA_F

ClientSampleId :

6

Tgt Ion:	136	Resp:	740272
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	13.9	6.8	10.2#
68	10.9	6.0	9.0#

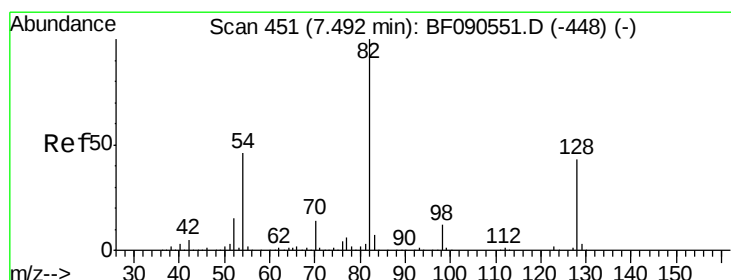
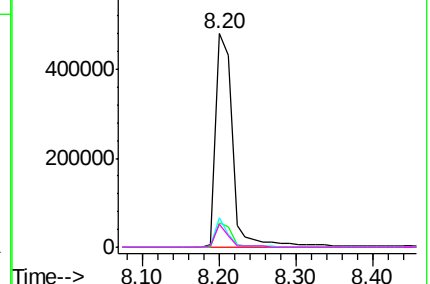
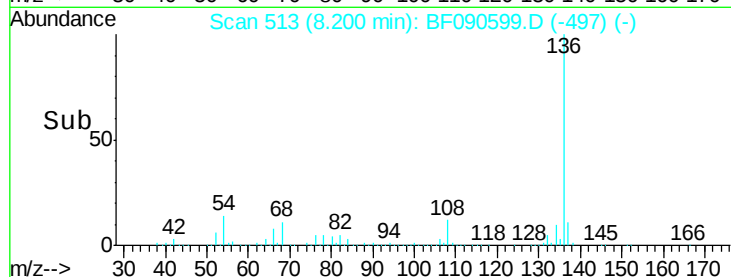


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 14.95 ng

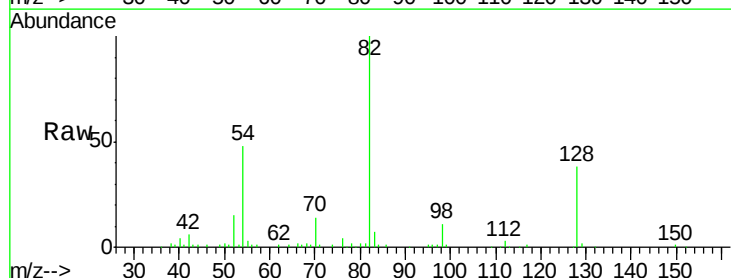
RT: 7.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

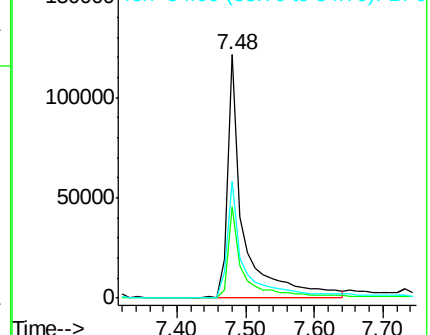
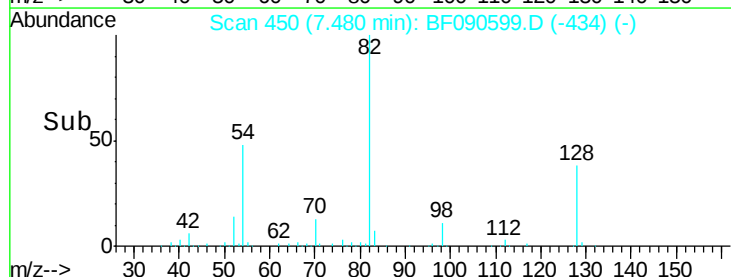
Tgt Ion:	82	Resp:	199260
Ion	Ratio	Lower	Upper
82	100		
128	37.7	34.3	51.5
54	47.9	37.0	55.6

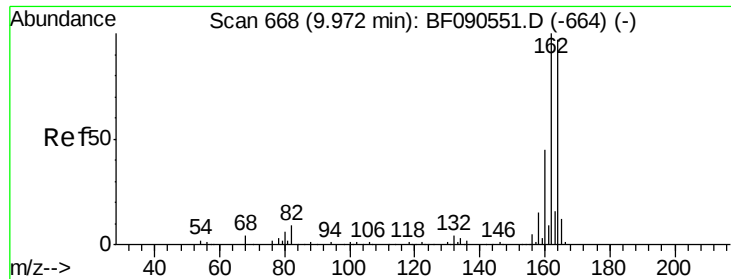


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 667

Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

Instrument :

BNA_F

ClientSampled :

6

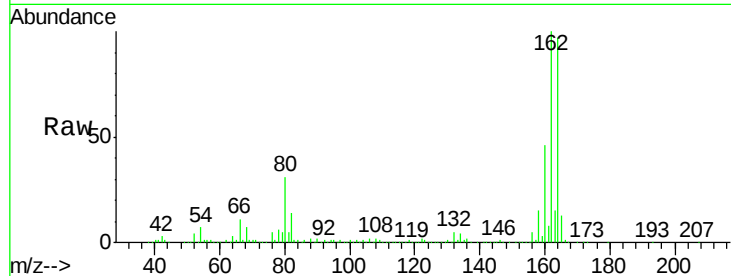
Tgt Ion:164 Resp: 347721

Ion Ratio Lower Upper

164 100

162 103.3 82.2 123.4

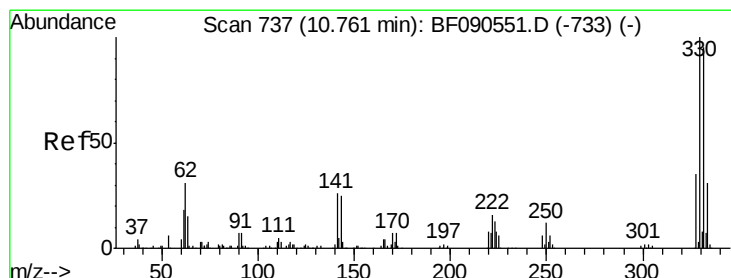
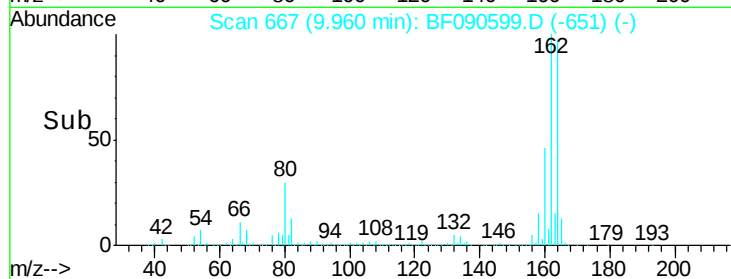
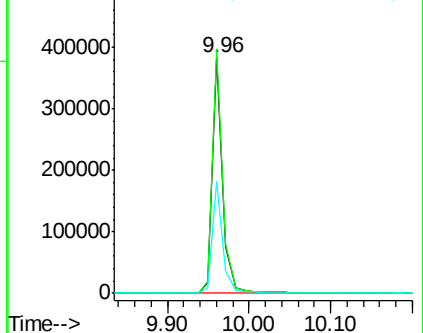
160 47.4 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 12.69 ng

RT: 10.75 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

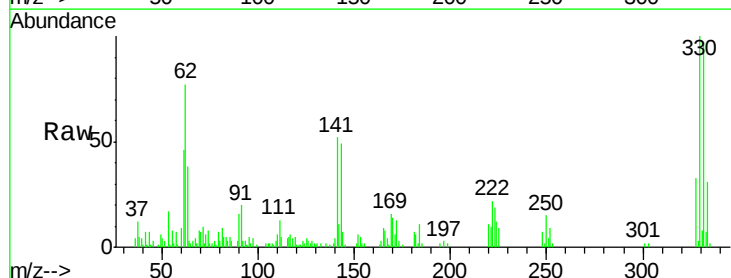
Tgt Ion:330 Resp: 39354

Ion Ratio Lower Upper

330 100

332 95.9 76.2 114.2

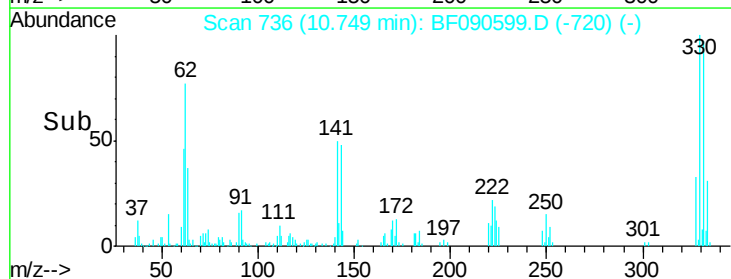
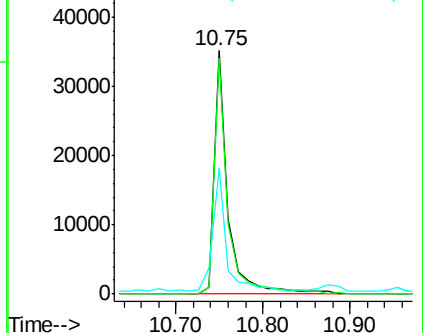
141 50.6 31.4 47.2#

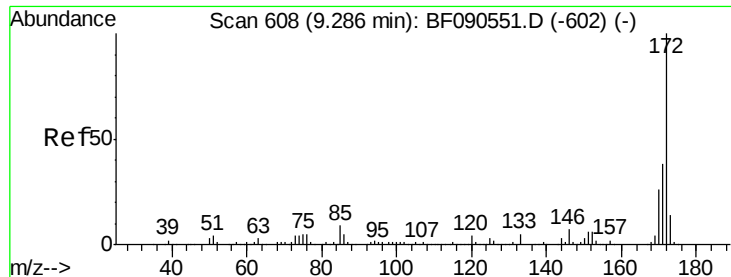


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

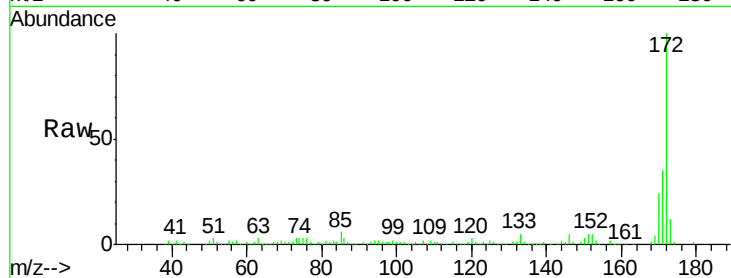




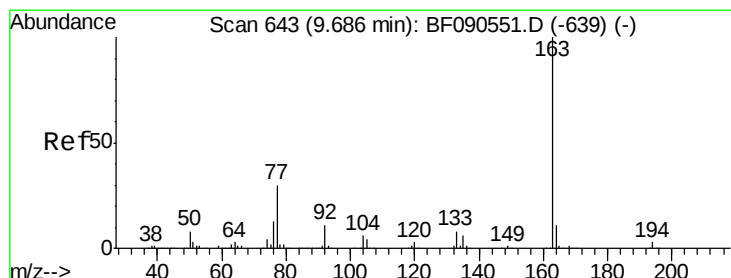
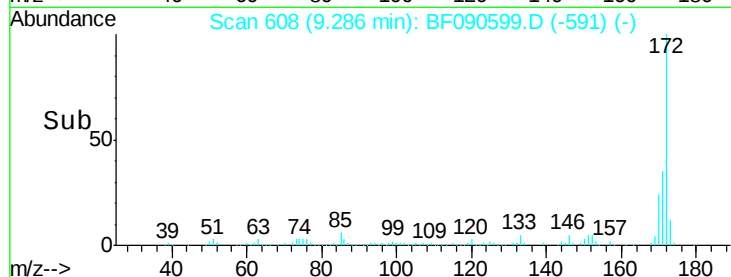
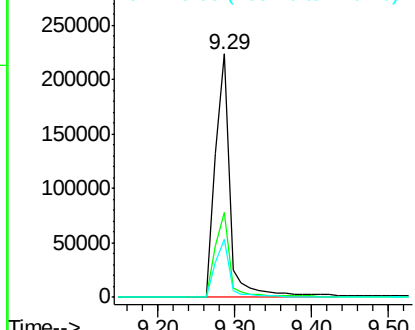
#44
 2-Fluorobiphenyl
 Concen: 14.25 ng
 RT: 9.29 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: BF090599.D
 Acq: 15 Oct 2016 10:44

Instrument :
 BNA_F
 ClientSampled :
 6

Tgt Ion:172 Resp: 300643
 Ion Ratio Lower Upper
 172 100
 171 35.0 30.1 45.1
 170 23.7 20.6 30.8

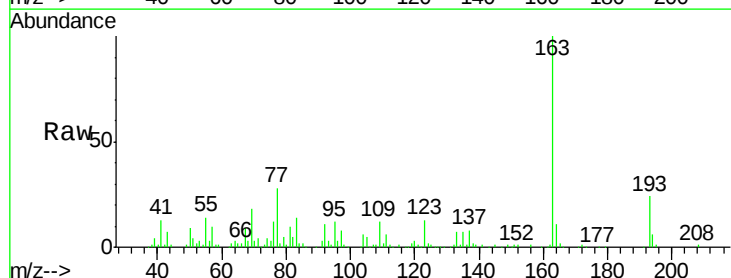


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

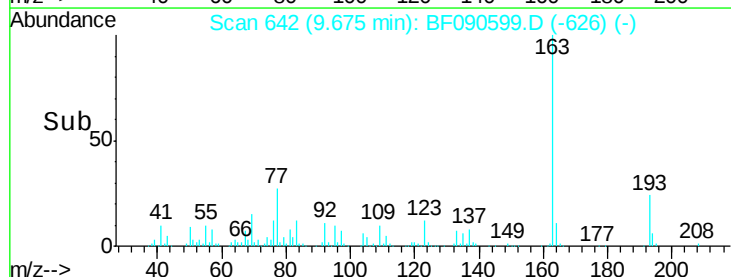
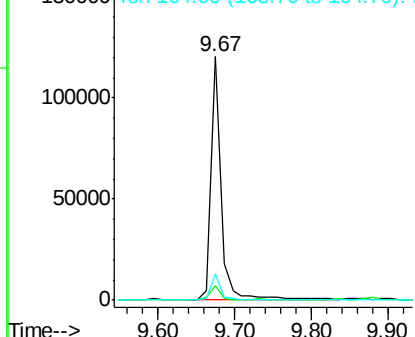


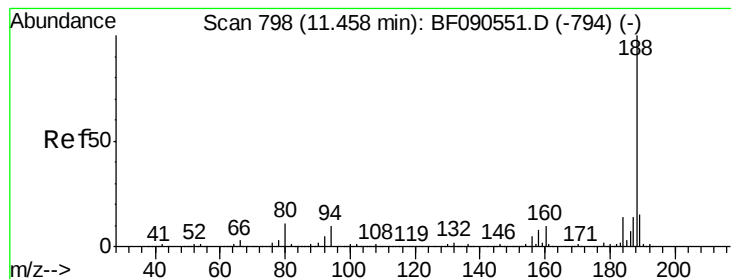
#49
 Dimethylphthalate
 Concen: 4.74 ng
 RT: 9.67 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: BF090599.D
 Acq: 15 Oct 2016 10:44

Tgt Ion:163 Resp: 106892
 Ion Ratio Lower Upper
 163 100
 194 6.1 2.3 3.5#
 164 10.8 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.45 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

Instrument :

BNA_F

ClientSampleId :

6

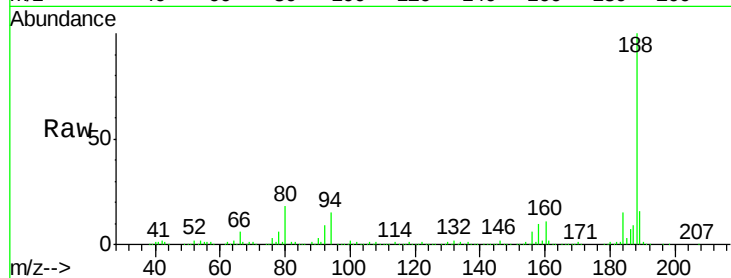
Tgt Ion:188 Resp: 431975

Ion Ratio Lower Upper

188 100

94 15.4 7.7 11.5#

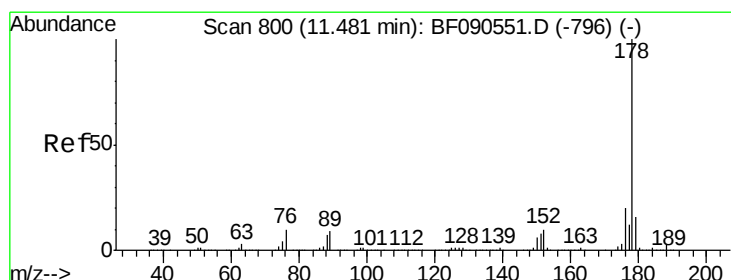
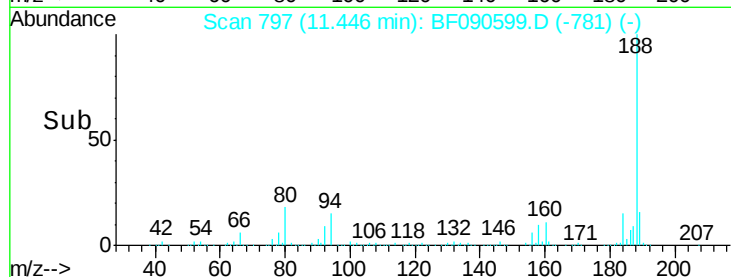
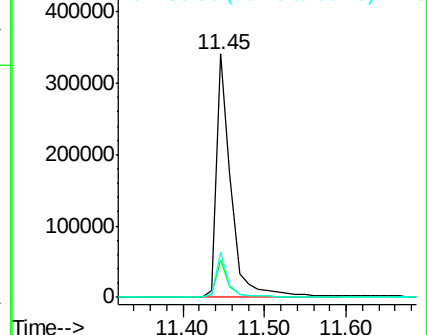
80 18.4 8.6 12.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 5.13 ng

RT: 11.47 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

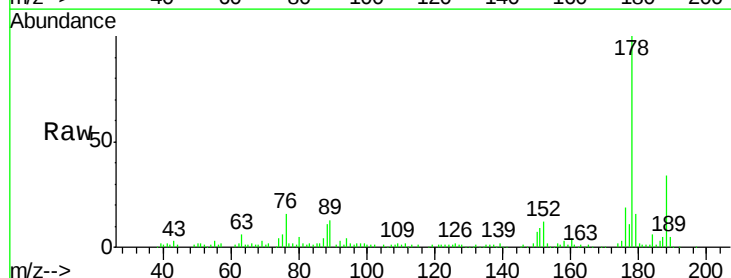
Tgt Ion:178 Resp: 118329

Ion Ratio Lower Upper

178 100

176 18.6 16.1 24.1

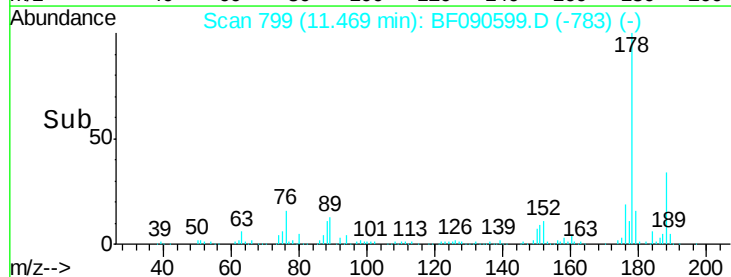
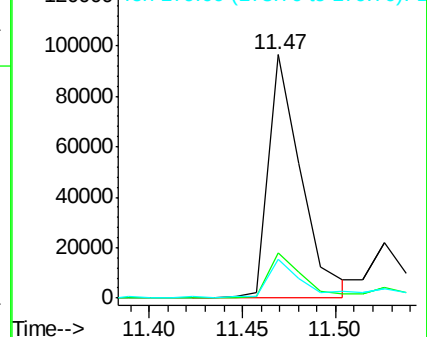
179 16.0 12.6 19.0

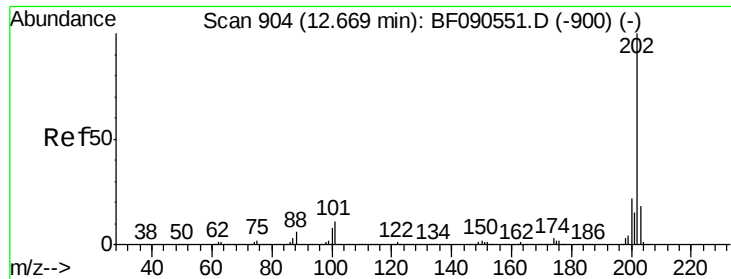


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.02 ng

RT: 12.66 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

Instrument :

BNA_F

ClientSampleId :

6

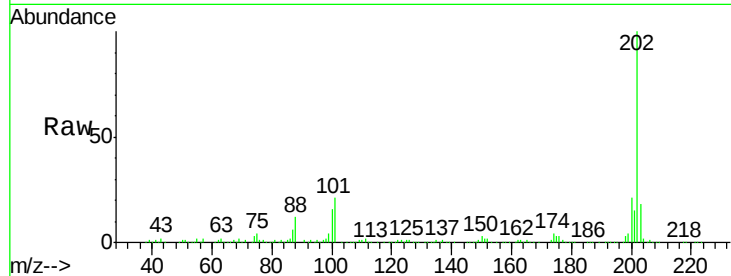
Tgt Ion:202 Resp: 301889

Ion Ratio Lower Upper

202 100

101 20.8 0.0 31.1

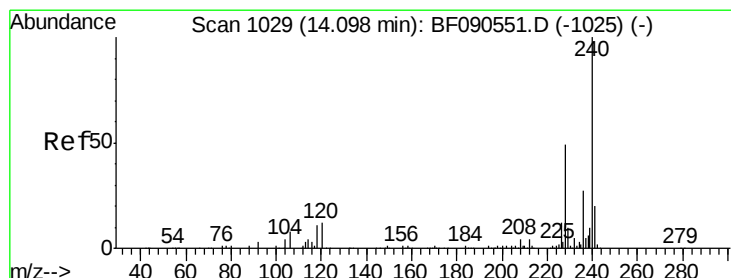
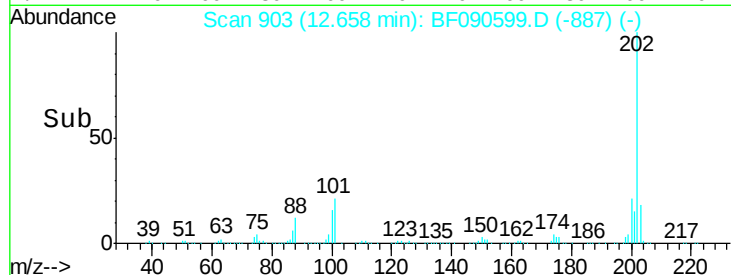
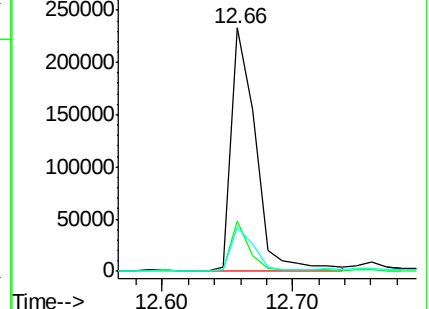
203 17.8 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.10 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

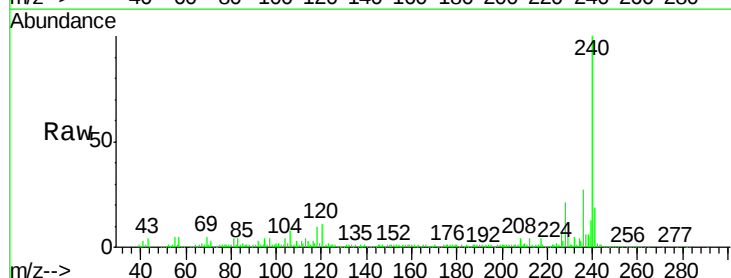
Tgt Ion:240 Resp: 406955

Ion Ratio Lower Upper

240 100

120 11.1 9.8 14.8

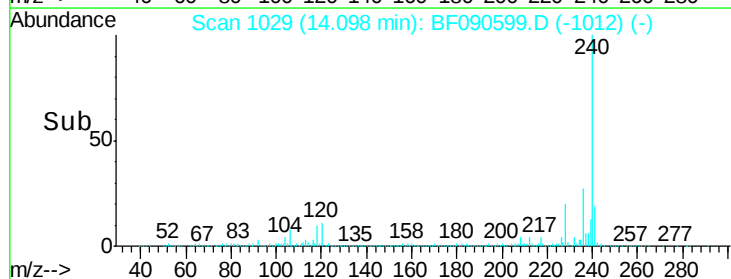
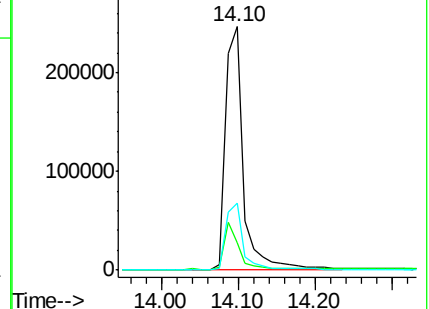
236 27.4 21.7 32.5

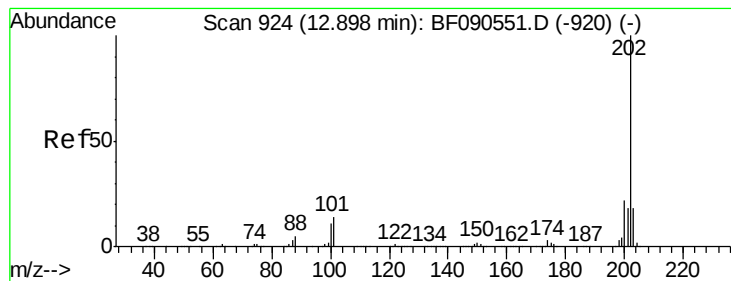


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 10.66 ng

RT: 12.89 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

Instrument :

BNA_F

ClientSampleId :

6

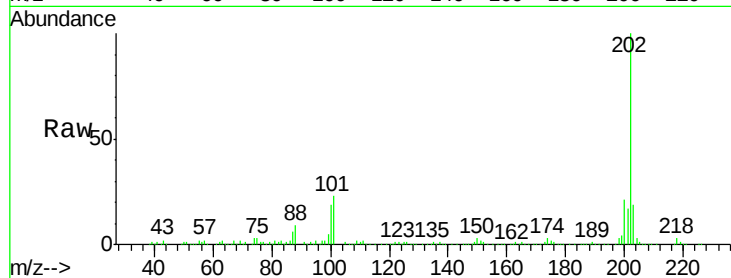
Tgt Ion: 202 Resp: 287408

Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.6

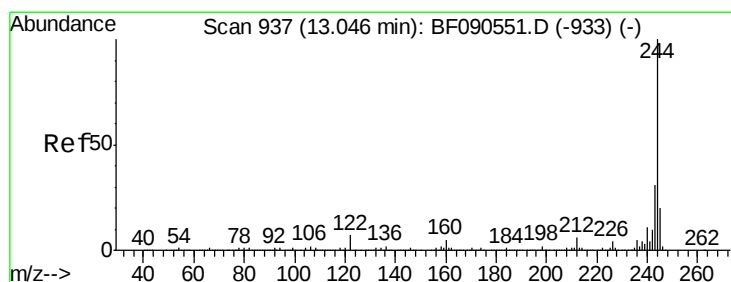
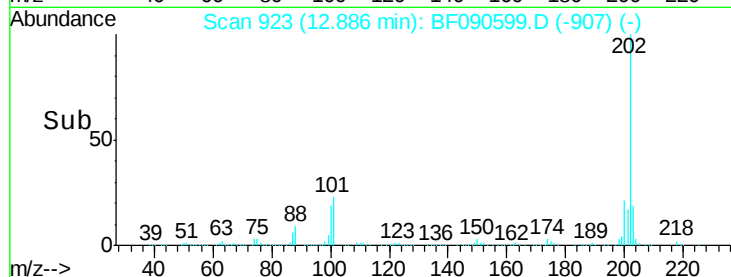
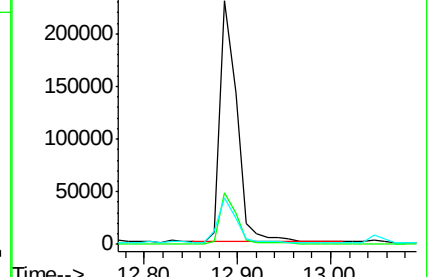
203 18.9 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 11.69 ng

RT: 13.03 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

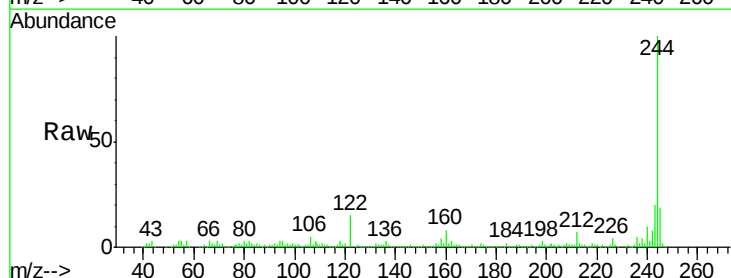
Tgt Ion: 244 Resp: 204299

Ion Ratio Lower Upper

244 100

212 7.4 5.0 7.4

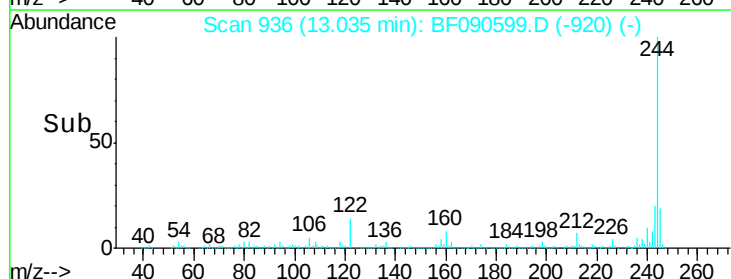
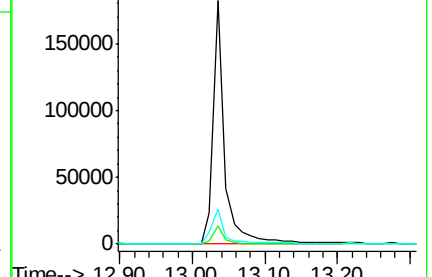
122 14.5 5.6 8.4#

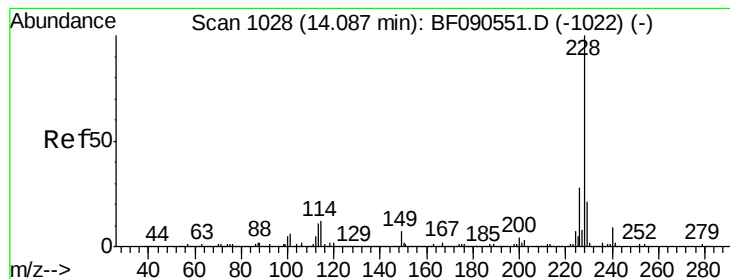


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.74 ng

RT: 14.09 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

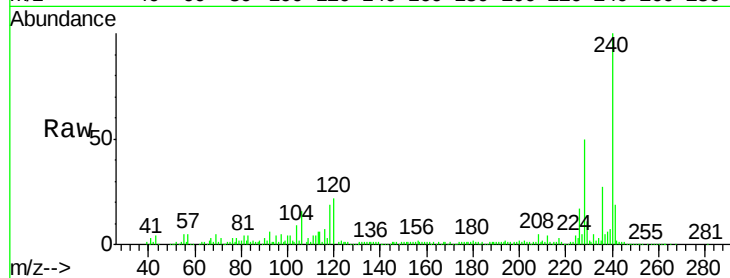
Instrument :

BNA_F

ClientSampleId :

6

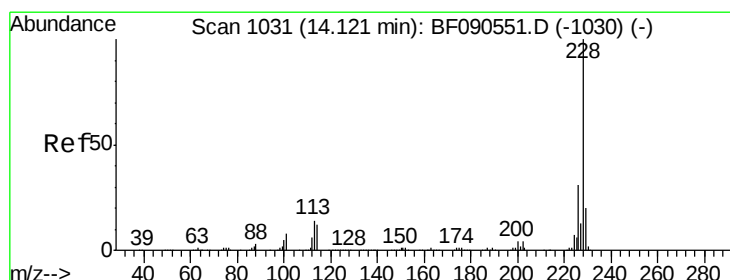
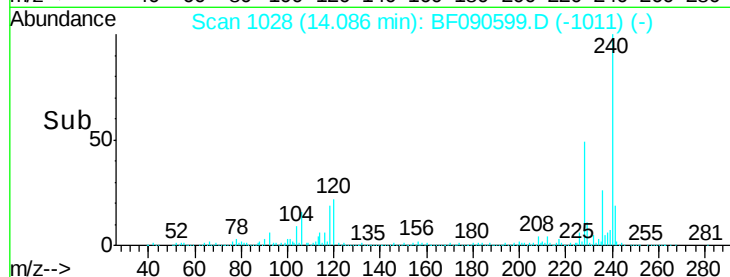
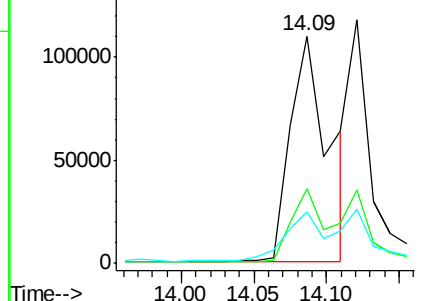
Tgt Ion:	228	Resp:	202506
Ion	Ratio	Lower	Upper
228	100		
226	33.1	22.8	34.2
229	22.8	16.6	25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 9.07 ng

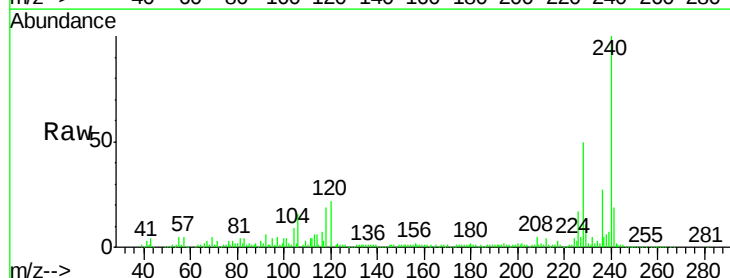
RT: 14.09 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF090599.D

Acq: 15 Oct 2016 10:44

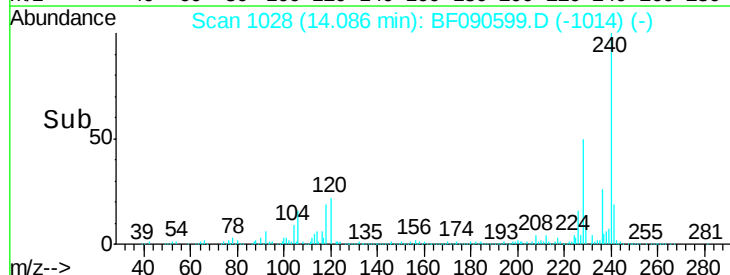
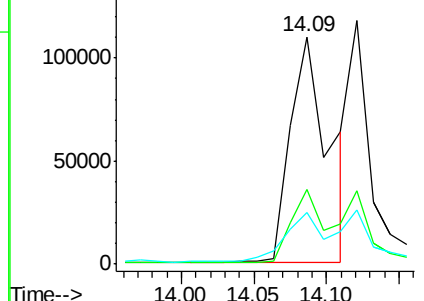
Tgt Ion:	228	Resp:	202506
Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.8	37.2
229	22.8	16.2	24.4

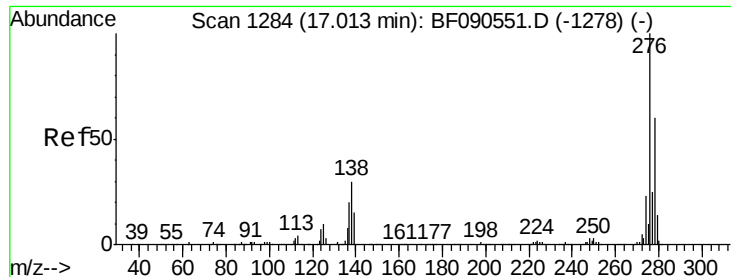


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

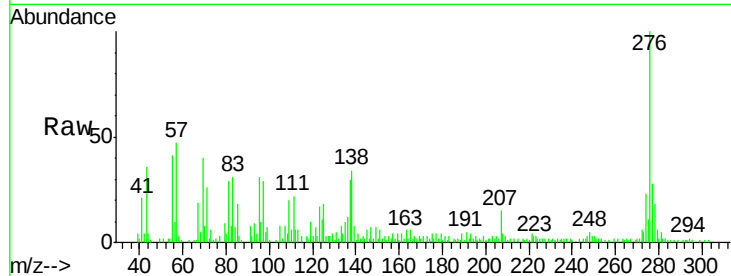




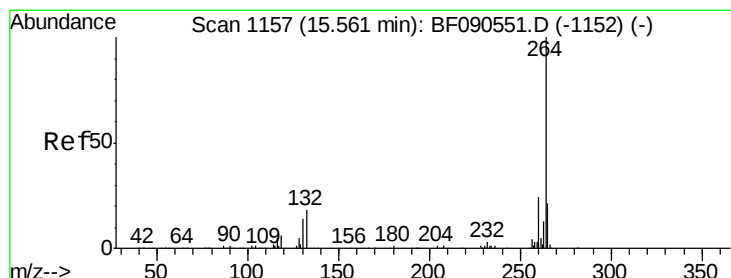
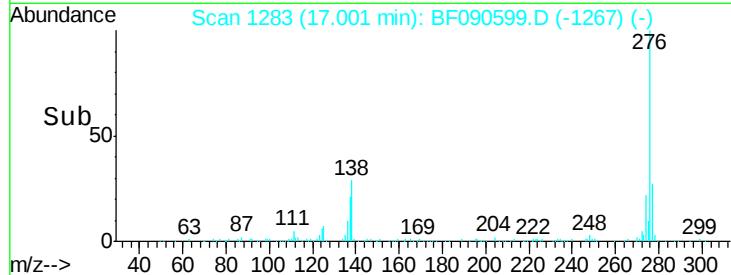
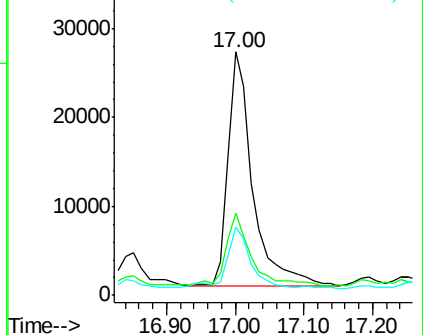
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.15 ng
 RT: 17.00 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BF090599.D
 Acq: 15 Oct 2016 10:44

Instrument :
 BNA_F
 ClientSampleId :
 6

Tgt Ion: 276 Resp: 66523
 Ion Ratio Lower Upper
 276 100
 138 30.5 25.8 38.6
 277 27.1 20.1 30.1

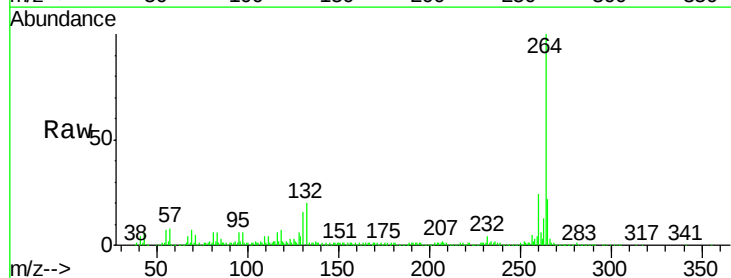


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

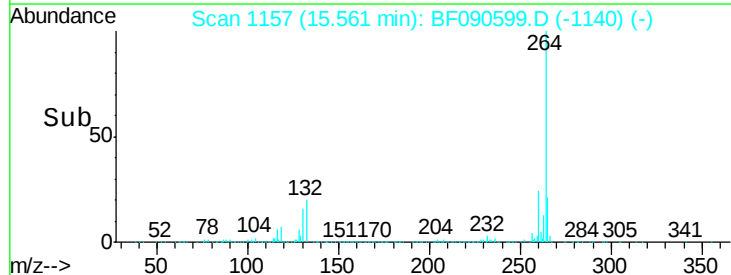
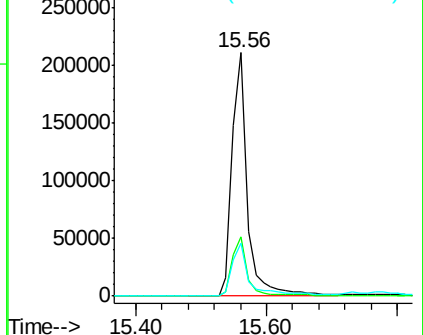


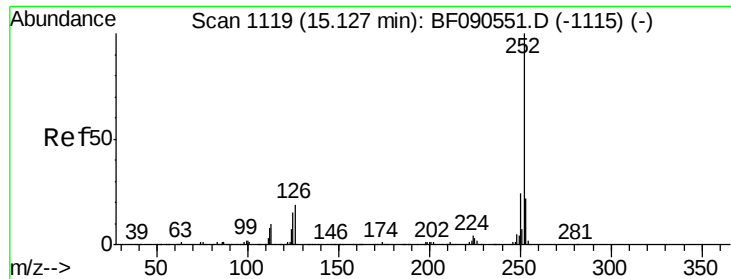
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.56 min Scan# 1157
 Delta R.T. -0.00 min
 Lab File: BF090599.D
 Acq: 15 Oct 2016 10:44

Tgt Ion: 264 Resp: 335832
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.3 28.9
 265 21.5 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

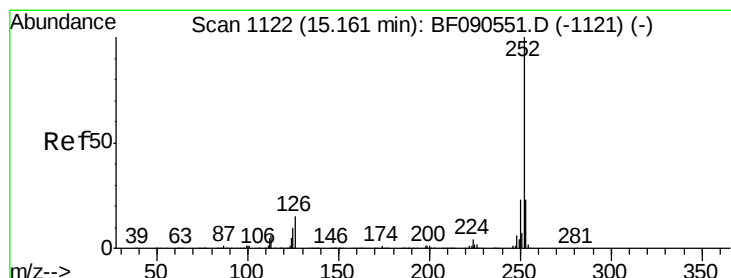
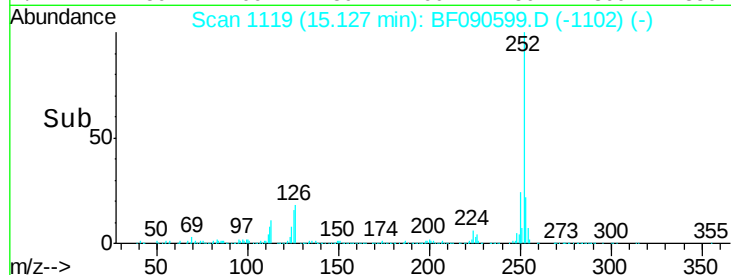
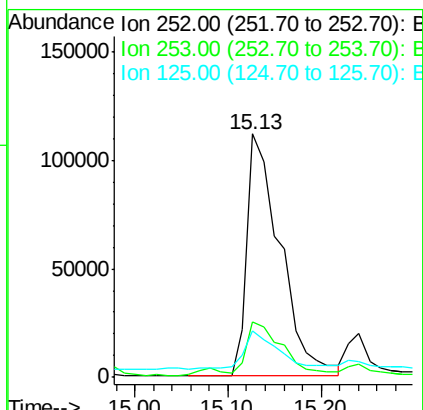
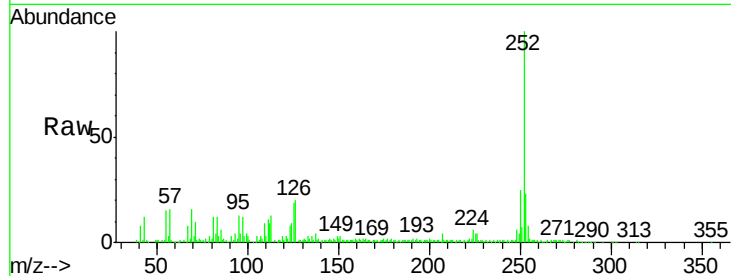




#87
Benzo(b)fluoranthene
Concen: 12.54 ng
RT: 15.13 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BF090599.D
Acq: 15 Oct 2016 10:44

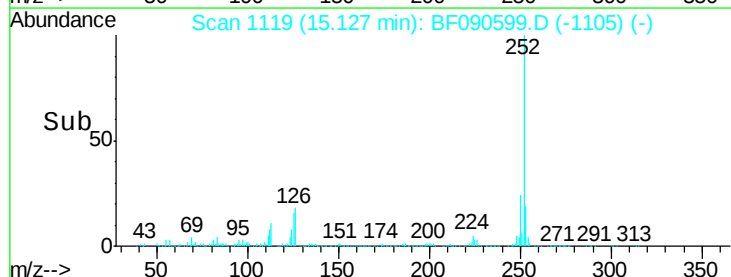
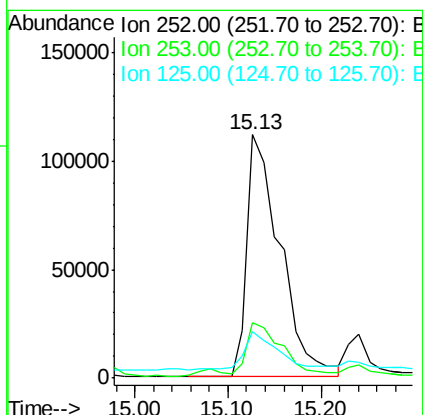
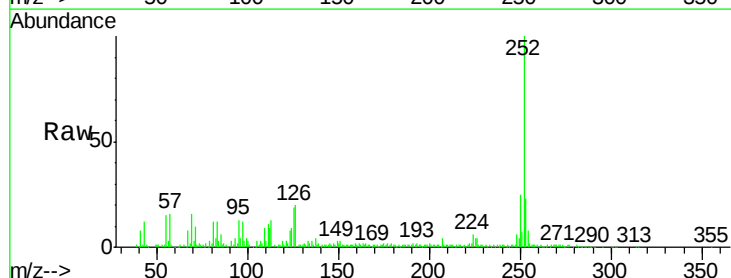
Instrument :
BNA_F
ClientSampled :
6

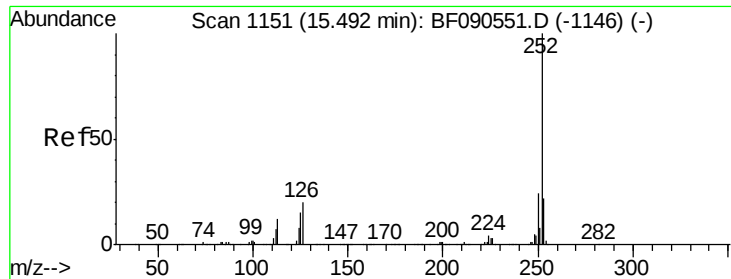
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	19.1	12.0	18.0



#88
Benzo(k)fluoranthene
Concen: 11.65 ng
RT: 15.13 min Scan# 1119
Delta R.T. -0.03 min
Lab File: BF090599.D
Acq: 15 Oct 2016 10:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	19.1	10.0	15.0

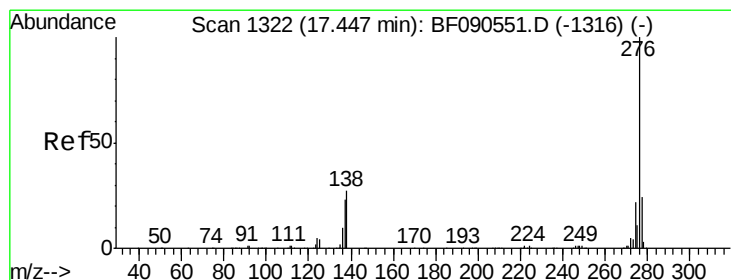
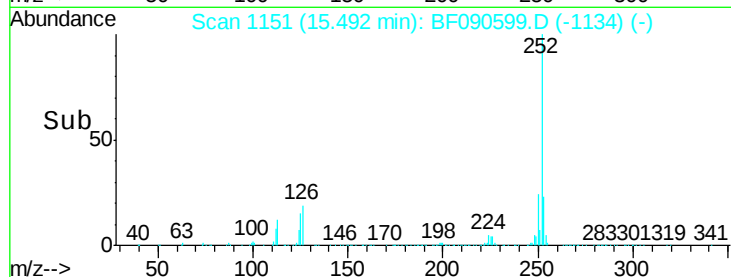
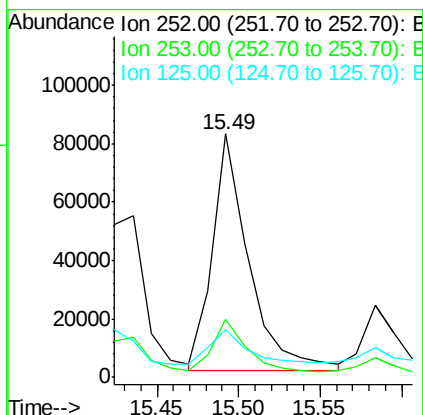
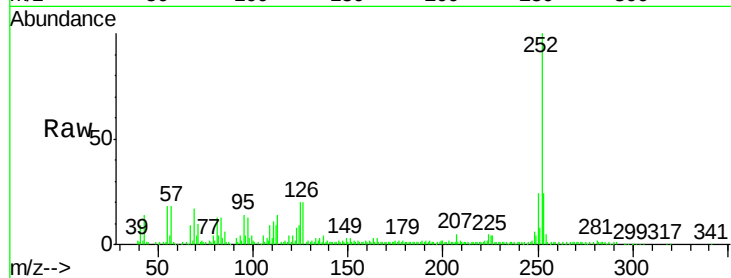




#89
Benzo(a)pyrene
Concen: 6.28 ng
RT: 15.49 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF090599.D
Acq: 15 Oct 2016 10:44

Instrument :
BNA_F
ClientSampleId :
6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	19.7	12.3	18.5



#91
Benzo(g,h,i)perylene
Concen: 4.71 ng
RT: 17.44 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF090599.D
Acq: 15 Oct 2016 10:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.8	28.2
138	31.4	21.8	32.8

